

Begin

RZEL # 221

Khlebnikov, P.

to

GAL'PERSHTEYN, L.; KHLEBNIKOV, P.

Homemade loudspeaker. Znan. sila no.11:suppl.2-4 N '54.(MLRA 8:1)  
(Radio--Receivers and reception)

BOGATKOV, V.; GAL'PERSHTEYN, L.; KHLIBNIKOV, P.

Electric meters. Znan.sila 30 no.12:insert:1-3 D '55. (MLRA 9:4)  
(Electric meters)

KHLEBNIKOV, P.

Watch repairing should be put on an assembly-line basis.  
Prom.koop. 13 no.8:24-25 Ag '59. (MIRA 12:12)

1. Nachal'nik otдела remonta metalloisdeliy Glavnogo uprav-  
leniya predpriyatiy bytovogo obsluzhivaniya.  
(Clocks and watches--Repairing and adjusting)  
(Assembly-line methods)

KHLEBNIKOV, P.

The volume of work is growing. Are we ready for it? Prom.koop.  
14 no.1:22-23 Ja '60. (MIRA 13:5)

1. Nachal'nik otдела glavnogo upravleniya predpriyatiy bytovogo  
obsluzhivaniya Rospromsovet.  
(Service industries)

<p>1ST AND 2ND SERIES</p>		<p>3RD AND 4TH SERIES</p>	
<p>EXPERIMENTAL AND PROPOSED DATA</p>			
<p>2</p>			
<p>KHLEBNIKOV, P. A.</p>			
<p>Layer formation in three-component systems. IV. The system water-other acids. V. F. Um-Kachkintsev and P. A. Khlebnikov. J. Gen. Chem. (U. S. S. R.) 9, 1742-1743 (1938) Cf. C. A. 32, 2410. —Layer formation in the system <math>H_2O-H_2O-H_2SO_4</math> is studied at <math>-10, 0</math> and <math>20^\circ</math> and in <math>H_2O-H_2O-H_2PO_4</math> at <math>0^\circ</math>. The results are very similar and indicate that the acid used makes little difference in the curves obtained. Compound formation does not occur and a triple crit. point is impossible. V. V. F. Um-Kachkintsev. Ibid. 1740-51. —The system <math>H_2O-PhOH-PhNHNH_2</math> has a triple crit. point at <math>118-14^\circ</math> and 19% <math>PhNHNH_2</math> and 18% <math>PhOH</math>; this indicates compound formation between the org. compds. H. M. Leicester.</p>			
<p>Lab. Phys. Chem Penn. State Univ.</p>			
<p>ASTM-514 METALLURGICAL LITERATURE CLASSIFICATION</p>			
<p>FROM SOURCE</p>		<p>FROM SOURCE</p>	
<p>DATE OF ACQUISITION</p>		<p>DATE OF ACQUISITION</p>	
<p>1940 1941 1942 1943 1944 1945 1946 1947 1948 1949 1950 1951 1952 1953 1954 1955 1956 1957 1958 1959 1960 1961 1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025</p>		<p>1940 1941 1942 1943 1944 1945 1946 1947 1948 1949 1950 1951 1952 1953 1954 1955 1956 1957 1958 1959 1960 1961 1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025</p>	

KHLBENIKOV, P.G.; KOMAROVA, V.V., red.; ZAV'YALOV, S.N., tekhn. red.

[Repairing electric vacuum cleaners] Remont elektropylesosov.  
Moskva, Gostmestpromizdat, 1962. 43 p. (MIRA 15:6)  
(Vacuum cleaners)



POKAZAN'YEV, Aleksandr Arkad'yevich, zhurnalist; BOROZDIN, Ye.A.,  
retsenzent; KHLEBNIKOV, P.I., retsenzent; BAKHMUTOVA, V.,  
red.

[The city where I live] Gorod, v kotorom ia zhivu.  
Sverdlovsk, Sverdlovskoe knizhnoe izd-vo, 1963. 71 p.

(MIRA 17:6)

1. Plavil'shchik Sredne-Ural'skogo medeplavil'nogo zavoda,  
gorod Revda (for Pokazan'yev). 2. Sekretar' partiynogo ko-  
miteta Sredne-Ural'skogo medeplavil'nogo zavoda, gorod Revda  
(for Khlebnikov).

KHLEBNIKOV, P.O.

Planting corn with interrows of 210 cm in the southern Ukraine.  
Mekh.sil'. hosp. 9 no.3:11-13 Mr '58. (MIRA 11:4)

1. Ukrains'kiy naukovo-doslidniy institut zroshuvannogo zemlerobstva.  
(Ukraine--Corn (Maize))

GAL'PERSHTEYN, Leonid Yakovlevich; KHLEBNIKOV, Petr Petrovich; ZUBKOV,  
M.A., otv. red.; TOKAREVA, T.M., tekhn. red.

[The young physicist's laboratory] Laboratoriia iunogo fizika.  
Moskva, Detgiz, 1962. 126 p. (MIRA 15:6)  
(Physical laboratories)

**KHLEBNIKOV, R.**

Twenty-one workshops are not enough. Prom.koop. 13 no.3:18-19  
Mr '59. (MIRA 12:4)

1. Nachal'nik otдела remonta metalloizdeliy Glavnogo upravleniya  
predpriyatiy lytovoga obsluzhivaniya Rompromsoвета.  
(Service stations)

SOV/144-59-12-3/21

AUTHORS: Tezoni, O.V., Candidate of Technical Sciences, Dotsent;  
Khlebnikov, S.D., Assistant; Sine, nikov, Ye.M., Doctor  
of Technical Sciences, Professor; Kolesnikov, E.V.,  
Assistant

TITLE: An Electointegrator<sup>bu</sup> for Solving Dirichlet and Neuman's  
Problems in a Strip

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Elektromekhanika,  
1959, Nr 12, pp 18-25 (USSR)

ABSTRACT: Dirichlet-Neuman boundary value problems arise in the  
calculation of fields in linear media. Analytical and  
numerical methods of solution appear to be unsatisfactory  
in practice and simulation is therefore considered. The  
conventional approach has a number of disadvantages. For  
example, in Fig 1 a harmonic function is modelled by  
the potential  $V$  of the current field in a conducting  
sheet. The potential and its gradient are measured with  
the probes and potentiometer. The sheet is usually  
metallic, with an insufficiently high surface resistivity.  
A better method is that of Fig 2 in which the harmonic  
function is represented by current. The current itself  
is measured by a special magnetic loop-probe connected to

Card 1/4

SOV/144-59-12-3/21

An Electrointegrator for Solving Dirichlet and Neuman's Problems in a Strip

a ballistic galvanometer. The current gradient is measured on a galvanometer connected to a twin-probe, using the relationship between the space-derivative of current and the time-derivative of voltage. The new method has the following disadvantages: for each new problem a special model must be made by skilled effort; high accuracy demands careful setting of the boundary values and this requires precision rheostats; an estimate of the accuracy in any region is difficult. However, the use of conformal transformation enables these drawbacks to be avoided and a general-purpose simulator has been evolved. In 1956 a method of conformally representing a singly or doubly-connected region within an infinite strip was developed at the Novocherkasskiy Polytechnic Institute (Ref 1,2,3). The Dirichlet problem then becomes Poisson's integral (Ref 1, 2). The problem is still a difficult one but the authors' development, the Electrointegrator, allows a sufficiently accurate numerical solution. The electrointegrator is intended chiefly for finding, at the

Card 2/4

SOV/144-59-12-3/21  
An Electointegrator for Solving Dirichlet and Neuman's Problems in a Strip

strip boundary, the normal derivative of the harmonic function defined by the boundary values. The modelling principle is that described above. The block diagram of the electointegrator is in Fig 3. The conducting sheet is a rectangle of manganin, 0.35 mm thick, measuring 135 x 1500 mm. Along one side of the strip current is fed in at 100 points from rheostats which can vary the current between 0.25 and 2.5 A. The ends of the strip are bonded to brass edges and fed from rheostats supplying up to 20 A. The currents are monitored on a multirange plug-in ammeter. The integrator currents are derived from a six-phase bank of selenium rectifiers type CB-100.1. The transformer primary is supplied from a group of CN-250 voltage stabilizers. The line voltage may be 220 or 380 V, the output level can be 8, 10 or 12 V (on open circuit). The exploring probe has two needles spaced by the same amount as the feeding points at the strip edge. Experiment shows that measurement made at least two strip-widths from the ends of the strip differ negligibly from the infinite-strip values. The ✓

Card 3/4

SOV/144-59-12-3/21

An Electointegrator for Solving Dirichlet and Neuman's Problems in a Strip

arrangement is intended for calculations of the fields in unsaturated machines. In the appendix the problem is solved of finding the radial component of induction in the armature of a HN-300 machine (Fig 4). Fig 5 shows the distributions of scalar magnetic potential along the rectangle for both rotor  $\varphi_2$  and stator  $\varphi_1$ . Fig 6 is the distribution of induction along the edge of the armature, under a main pole, compared with experimental findings (shown dotted). There are 6 figures, 2 tables and 4 Soviet references.

ASSOCIATION: Novocherkasskiy politekhnicheskiy institut  
(Novocherkassk Polytechnic Institute)

SUBMITTED: July 26, 1959

Card 4/4



L-10787-65 EW:(1)/EPA(h)-2/EEG(t)/EEG(h)-2 Pt-10/P1-4 TJP(c) CG  
 ACCESSION NR: AP4045822 S/0105/14/000/009/0030/0035

AUTHOR: Khlebnikov, S. D. (Engineer)

TITLE: Simulating ferromagnetic hysteresis characteristics on analog computers by means of ferroelectric capacitors

SOURCE: Elektrichestvo, no. 9, 1964, 30-35

TOPIC TAGS: varicond, ferroelectric capacitor, ferromagnetic hysteresis, ferromagnetic hysteresis simulation

ABSTRACT: Thanks to a certain geometrical similarity between ferromagnetic and ferroelectric hysteresis loops, it is possible to substitute ferroelectric capacitors (variconds) for ferromagnetic specimens in simulating ferromagnetic hysteresis loops. A varicond is connected to the input of the operational amplifier which has a linear capacitor in its feedback circuit. Typical variconds permit simulating various ferromagnetic characteristics with adequate accuracy.

1 10787-55  
ACCESSION NR: AP4045822

residual inductance and particular magnetization cycles are easily simulated. The method can be used for estimating the processes in a system that not only has ferromagnetic elements, but also electrical, mechanical, and other elements possessing hysteresis characteristics. The method is also applicable to simulating the magnetization characteristics of current transformers used for relay protective systems. The instability of parameters of the varicond loop is seen as the most important shortcoming of the method. Orig. art. has: 7 figures and 10 formulas.

ASSOCIATION: Novocherkasskiy politekhnicheskiy institut im. S. Ordzhonikidze (Novocherkassk Polytechnic Institute)

SUBMITTED: 15 Jul 63

ENCL: 00

SUB CODE: EC, EE

NO REF SOV: 006

OTHER: 000

PLATONOV, Vasil'y Vasil'yevich, aspirant; KHLEBNIKOV, Stanislav Dmitriyevich, starshiy prepodavatel'

Study of saturable relay systems using an analog computer.  
Izv. vys. ucheb. zav.; elektromekh. 6 no.4:435-440 '63.

(MIRA 16:7)

1. Kafedra elektricheskikh stantsiy, setey i sistem Novochoerkasskogo politekhnicheskogo instituta (for Platonov). 2. Kafedra teoreticheskoy i obshchey elektrotekhniki Novochoerkasskogo politekhnicheskogo instituta (for Khlebnikov).  
(Electric relays) (Electric protection)

DROZDOV, Aleksandr Dmitriyevich, doktor tekhn.nauk, prof.; KHLEBNIKOV,  
Stanislav Dmitriyevich, starshiy prepodavatel'

Device for simulating a hysteresis loop in analog computers designed  
for calculating electrical networks. Izv. vys. ucheb. zav.;  
elektromekh. 6 no.5:641-642 '63. (MIRA 16:9)

1. Zaveduyushchiy kafedroy elektricheskikh stantsiy, setey i sistem,  
dekan elektromekhnicheskogo fakul'teta Novochoerkasskogo  
politekhnikeskogo instituta (for Drozdov). 2. Kafedra  
teoreticheskoy i obshchey elektrotekhniki Novochoerkasskogo  
politekhnikeskogo instituta (for Khlebnikov).  
(Electronic analog computers) (Electric networks)

XHLEBNIKOV, Stanislav Dmitriyevich, starshiy prepodavatel'

Simulation of transient processes of electric transformers using analog computers with natural reproduction of hysteresis. Izv. vys. ucheb. zav.; elektromekh. 6 no.3:400-403 '63. (MIRA 16:5)

1. Kafedra teoreticheskoy i obshchey elektrotekhniki Novocherkasskogo politekhnicheskogo instituta.  
(Electric transformers) (Electronic analog computers)

KHLEBNIKOV, S.D., Inzh.

Modeling of ferromagnetic hysteresis characteristics using electronic computer machine analogues and seignetolectric condensers. Elektrichestvo no.9:30-35 S '64.

(MIRA 17:10)

1. Novocherkasskiy politekhnicheskii institut imeni Ordzhonikidze.

KHLEBNIKOV, Stanislav Dmitriyevich, starshiy prepodavatel'

Electronic simulation of a dynamic loop for devices with  
strongly saturated magnetic circuits. Izv. vys. ucheb. zav.  
elektromekh. 7 no.2:272-275 '64. (MIRA 17:4)

1. Kafedra teoreticheskoy i obshchey elektrotehniki Novo-  
cherkasskogo politekhnicheskogo instituta.

KHLEBNIKOV, Stanislav Dmitriyevich, starshiy prepodavatel\*; ZASYPKIN,  
Aleksandr Sergeyevich, aspirant

Modeling of single-phase bridge rectifiers with ideal valves  
using analog computers. Izv. vys. ucheb. zav.; elektromekh. 7  
no. 4, 1964, 55-64 (MIRA 17:7)

1. Kafedra teoreticheskoy i obshchey elektrotekhniki Novoche-  
rasskogo politekhnicheskogo instituta (for Khlebnikov) 2. Ka-  
fedra elektricheskikh stantsiy, setey i s' tem Novocherkasske-  
go politekhnicheskogo instituta (for Zasyppkin).



KHLEBNIKOV, S. G.

32578. Protivofil'tratsionnyye meropriyatiya na irigatsionnykh kanalekh v strukturnykh svyaznykh gruntakh. Izvestiya Gruz. nauch-issled. in-ta gidrotekhniki i melioratsii, t. 1, 1949, s. 13-28.—Rezyuome na gruz. yaz.— Gigliogr: 20 nazv.

SO: Letopis' Zhurnal'nykh Statey, Vol, Moskva, 1949

KHLEBNIKOV, S. G.

USSR/Hydrology - Irrigation

Sep 51

"Counter Filtration Measures in Canals and Reservoirs," Prof G. M. Lomize, Prof. A. S. Voznesenskiy, S. G. Khlebnikov, Cand Tech Sci

"Gidrotekh i Meliorat" Vol III, No 9, pp 7-18

Filtration losses should be kept at min to raise the efficiency of irrigational systems. Results of investigations by Georgian Sol Res Inst of Hydraulic Eng and Soil Improvement were discussed in a session of Sci Tech Council and Tech Bur. Artificial binding of soils was adopted. Mech reinforcement, widely applied in road construction, was recommended also against filtration.

191T57

15-57-5-6915

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 5,  
p 168 (USSR)

AUTHOR: Khlebnikov, S. G.

TITLE: The Results of Investigations on Artificial Gley  
Formation in Soils as an Anti-Seepage Measure in  
Canals and Reservoirs (Itogi issledovaniy iskusstven-  
nogo ogleyeniya gruntov kak protivofil'tratsionnogo  
meropriyatiya na kanalakh i vodoyemakh)

PERIODICAL: Tr. Gruz. n.-i. in-ta gidrotekhn. i melior., 1956,  
Nr 4 (17), pp 203-217

ABSTRACT: This paper describes experiments in artificial bio-  
chemical gley formation in soils to decrease permea-  
bility. The experiments were made both in laboratory  
and experimentally produced conditions in a periodi-  
cally used canal in Georgia and in a reservoir in the  
Kurskaya Oblast'. The essence of the artificial gley

Card 1/2

to be used to apply the gley-forming process to reservoirs and canals  
that are active for long periods of time.  
Card 2/2

Ye. G. B.

14(10)

SCV/99-59-6-2/13

AUTHOR: Khlebnikov, S.G., and Shanshiyev, A.K., Candidates  
of Technical Sciences, and Chaganava, V.A., Engineer

TITLE: Artificially-Curved, Prefabricated Reinforced-  
Concrete Troughs for Irrigation Chutes

PERIODICAL: Gidrotekhnika i melioratsiya, 1959, Nr 6, pp 6-14,  
(USSR)

ABSTRACT: The article describes an entirely new method to cast  
troughs for irrigation chutes, which calls for  
casting artificially-curved, prefabricated rein-  
forced-concrete troughs. Developed by A.K. Shanshiyev  
of the Laboratoriya industrial'nogo gidrotekhnicheskogo  
zhelezobetona Tbilisskogo nauchno-issledovatel'skogo  
institutu sooruzheniy i gidroenergetiki imeni Vintera,  
or the TNISGEI, (Laboratory of Industrial Hydrotech-  
nical Reinforced-Concrete of the Tbilisi Research In-  
stitute of Structures and Hydraulic Power Engineering  
imeni Vinter), the new method differs from the con-

Card 1/3

SOV/99-59-6-2/13

Artificially-Curved, Prefabricated Reinforced-Concrete Troughs  
for Irrigation Chutes

ventional one employing a double mold insofar as it has only one mold, the bottom plate. Covered by a concrete layer with laid-in reinforcements and lifted by a transverse beam at four points, the bottom plate bends at a certain angle and remains in this state until the concrete mass hardens. Prior to lifting, the concrete layer with reinforcements is subject to vibration by a flat-type vibrator of the I-7-type. The new trough specifications are: upper width - 65 cm; depth - 40 cm; wall thickness at bottom - 4.5 cm; wall thickness at trough rims - 3 cm; trough length - 4.1 m. The troughs thus made develop no cracks as there is no tensile stress left. The article cites the following names and organizations connected with the new trough development: Engineer A.A. Gabuniya, Gruz-NIIGiM, Samgorskaya orositel'naya sistema

Card 2/3

SOV/99-59-6-2/13

Artificially-Curved, Prefabricated Reinforced-Concrete Troughs  
for Irrigation Chutes

(Samgorskaya Irrigation System), Samgorvodstroy,  
Soyuzgiprovodkhoz, Teziokamskaya orositel'naya  
sistema (Teziokamskaya Irrigation System), Minge-  
chaurstroy, Gruzgidroenergostroy, and Cherepovets-  
metallurgstroy. There are 10 Soviet references,  
7 photographs, 2 sets of diagrams, and 2 diagrams.

ASSOCIATION: GruzNIIGiM

Card 3/3

KHLEBNIKOV, S.G., kand.tekhn.nauk; VASIL'YEV, V.V., inzh.

'Machine for impact soil compaction in small irrigation canals and earth structures. Stroi. i dor. mash. 8 no.5:3-5 My '63.

(MIRA 16:5)

(Soil stabilization—Equipment and supplies)

L 44680-56 EWT(1)

ACC NR: AP6005364

SOURCE CODE: UR/0413/66/000/001/0110/0110

AUTHORS: Khlebnikov, S. P.; Shulepov, A. A.

43B

ORG: none

TITLE: Method for producing a regulated delay, Class 42, No. 177693 [announced by Institute of Automation and Remote Control (Technical Cybernetics) (Institut avtomatiki i telemekhaniki (tekhnicheskoy kibernetiki) )]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 1, 1966, 110

TOPIC TAGS: delay mechanism, magnetic tape, magnetic recording

ABSTRACT: This Author Certificate presents a method for producing a regulated delay by varying the loop length between the record and the readout heads with the aid of a movable carriage for constant tape speed. To increase the maximum allowable time delays up to a double value with fixed length and direction of motion of the tape ring, for recording and readout of information the general-purpose magnetic heads are functionally switched during the motion of the movable carriage to a position corresponding to the maximum loop length between the heads for the given design. For readout of information recorded on this loop to the moment of switching, an additional head is connected temporarily to the input of the reproduction amplifier. This head is disconnected when it reads out a magnetic mark produced on the

Card 1/2

UDC: 681.142



L 44680-66

ACC NR:

AP6005364

carrier by a high frequency current pulse in the main heads preceding their switching. To block pulse noise caused when the spliced portion of the tape ring passes over the readout head gap, the tape is pressed to the working surface of this head by a flat spring. The spring is mounted on the pivot holder of a piezoquartz sound pickup whose output signal is used to disconnect momentarily the electronic readout channel.

SUB CODE: 09/ SUBM DATE: 28Oct64

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Cord 2/2

KHLEVNIKOV, S.P.

Stabilization of contact gaps in storing devices with magnetic drums.  
Priborostroenie no.3:7-8 Mr '61 (MIRA 14:3)  
(Magnetic memory—Calculating machines)

GUREVICH, S.L.; KHLEBNIKOV, S.P.

Centralized memorizing system for dispatching operations. Kozh.-  
obuv. prom. 6 no.4:14-17 Ap'64. (MIRA 17:5)

KHLEBNIKOV, V.

Labor productivity on collective and state farms. Vop. ekon.  
no.10:55-63 0 63. (MIRA 16:12)

KHLEBNIKOV, V.B.

POSPELOV, G.L., starshiy nauchnyy sotrudnik; LAPIN, S.S.; BELOUS, N.Kh.;  
 KLYAROVSKIY, V.M.; KINE, O.G.; VAKHRUSHEV, V.A.; SHAPIRO, I.S.,  
 starshiy nauchnyy sotrudnik; KALUGIN, A.S.; MUKHIN, A.S.; GARNITS,  
 N.A.; SPEYT, Yu.A.; SELIVESTROVA, M.I.; RUTKEVICH, V.G.; BYKOV, G.P.;  
 NIKONOV, N.I.; SAKOVICH, K.G.; MEDVEDKOV, V.I.; ALADYSHKIN, A.S.;  
 PAN, P.Ya.; HUSANOV, M.G.; YAZBUTIS, E.A.; ROZHDESTVENSKIY, Yu.V.;  
 SAVITSKIY, G.Ye.; PRODANCHUK, A.D.; LYSENKO, P.A.; LEBEDEV, T.N.;  
 KAMENSKAYA, T.Ya.; MASLENNIKOV, A.I.; PIPAR, R.; DODIN, A.L.;  
 MITROPOL'SKIY, A.S.; LUKIN, V.A.; ZIMIN, S.S.; KOREL', V.G.;  
 DERBIKOV, I.V.; BARDIN, I.P., akademik, nauchnyy red.; GOEBACHEV,  
 T.F., nauchnyy red.; YEROFYEV, N.A., nauchnyy red.; NEKRASOV, N.N.,  
 nauchnyy red.; SKOBNIKOV, M.L., nauchnyy red.; SMIRNOV-VZERIN, S.S.,  
 nauchnyy red. [deceased]; STRUMILIN, S.G., akademik, nauchnyy red.;  
 KHLEBNIKOV, V.B., nauchnyy red.; CHINAKAL, N.A., nauchnyy red.;  
 SLEDZHIK, P.Ye., red.toma; SOKOLOV, G.A., red.toma; BOLLYREV, G.P.,  
 red.; VOGMAN, D.A., red.; KASATKIN, P.F., red.; KUDASHEVA, I.G.,  
 red.izd-va; KUZ'MIN, I.F., tekhn.red.

[Iron-ore deposits of the Altai-Sayan region] Zhelezorudnye mesto-  
 rozhdeniya Altae-Saianskoi gornoj oblasti. Vol.1. Book 1. [Geology]  
 (Continued on next card)

POSPELOV, G.L.---(Continued) Card 2.

Geologiya. Otvetstvennyi red. I.P. Bardin. Moskva. 1958. 330 p.  
(MIRA 12:2)

1. Akademiya nauk SSSR. Mezhdunarodnaya postoyannaya komissiya po zheleznyu.
2. Postoyannaya mezhdunarodnaya komissiya po zheleznyu Akademii nauk SSSR (for Pospelov, Shapiro, Sokolov).
3. Zapadno-Sibirskiy filial Akademii nauk SSSR (for Vakhrushov, Pospelov).
4. Zapadno-Sibirskoye geologicheskoye upravleniye (for Sakovich).
5. Krasnoyarskoye geologicheskoye upravleniye (for Pan).
6. Zapadno-Sibirskiy geologorazvedochnyy trest Chernyuzovskaya (for Prodanchuk).
7. Sibirskiy geofizicheskyy trest (for Pipar).
8. Vsesoyuznyy geologicheskyy nauchnoissledovatel'skiy institut (for Dodin).
9. Gornaya ekspeditatsiya (for Mitropol'skiy).
10. Gornoye upravleniye Kuznetskogo metallurg.kombinata (for Lukin).
11. Tomskiy politekhnicheskyy institut (for Zimin).
12. Sibirskiy metallurg.institut (for Korel').
13. Trest Sibneftegeofizika (for Derbikov). (Altai Mountains--Iron ores) (Sayan Mountains--Iron ores)

KHLEBNIKOV, V.B.

BARDIN, I.P., akademik, otv.red.; STRUMILIN, S.G., akademik, red.; SHIRYAKOV, L.D., akademik, red.; SHCHERBAKOV, D.I., akademik, red.; ANTIPOV, M.I., red.; BELYANCHIKOV, K.P., red.; BRODSKIY, V.B., red.; YEROFEEV, B.B., red.; LIBERMAN, A.Ya., red.; MELESHKIN, S.M., red.; ORLOV, I.V., red.; SMIRNOV-VERIN, S.S., red.; RIKMAN, V.V., red.; SAMARIN, A.M., red.; SLEDZYUK, P.Ye., red.; SKOBNIKOV, M.L., red.; SOKOLOV, G.A., red.; FREY, V.I., red.; KHLEBNIKOV, V.B., red.; SHAPIRO, I.S., red.; SHIRYAYEV, P.A., red.; KUDASHEV, A.I., red.isd-va; KUZ'MIN, I.F., tekhn.red.

[Magnetite ores of the Kustanay Province and their exploitation]  
Magnetitovye rudy Kustanaiskoi oblasti i puti ikh ispol'zovaniya.  
Otvetsvennyi red. I.P. Bardin. Moskva, Izd-vo Akad. nauk SSSR,  
1958. 489 p. (Zhelezorudnye mestorozhdeniya SSSR). (MIRA 12:2)

1. Russia (1923- U.S.S.R.) Ministerstvo geologii i okhrany neдр.  
(Kustanay Province--Magnetite)

AUTHOR: Khlebnikov, V.B., Deputy Chairman SOV/127-58-11-1/16

TITLE: A Stable Raw Materials' Base for Ferrous Metallurgy (Chernoy metallurgii - ustoychivuyu syr'yevuyu bazu)

PERIODICAL: Gornyy zhurnal, 1958, Nr 11, pp 3 - 6 (USSR)

ABSTRACT: Although the Soviet mining industry is systematically increasing the output of iron and manganese ores, this development is not keeping pace with the development of ferrous metallurgy. A further increase in pig iron production will be possible only if the output of ores and their preparation for industrial use are sharply increased. The shortage of concentrated ores has obliged the industry to put poor ore or even pyrite cinders into the blast furnaces. Meanwhile the average iron content in the conventional (tovarnyye) ores each year becomes lower and, owing to the shortage of concentration plants, the extraction of poor ores has been abandoned. The author, who is the deputy chairman of the Gosplan of USSR, enumerates the past mistakes, which now jeopardise the whole metallurgical industry: delays in the building of new mines and concentration plants, shortages of modern means of transportation, antiquated tools,, obsolete methods

Card 1/2



SJV/127-58-11-1/16

A Stable Raw Materials Base for Ferrous Metallurgy

of concentration, etc. The author describes how the necessary development of the mining industry will be achieved in the years 1959 - 1965, and lists new iron and manganese ore mines which will be developed in different parts of the USSR. Special efforts will be made to increase the output of open-cast mines. Newly-built concentration plants will permit the exploitation of ores with a low iron content. Special ultra-modern equipment for the mining industry will also be produced. This production will be assured by 19 new or already existing machine-building plants. A special scientific research, planning and constructional institute of mining and concentration equipment (the IGORMASH) will be established in Sverdlovsk.

ASSOCIATION:

Gosplan SSSR (The USSR plan)

1. Iron ores--USSR
2. Manganese ores--USSR

Card 2/2

*KHLEBNIKOV V.B.*

BARDIN, I.P., akademik, otv.red.; ANTIPOV, M.I., nauchnyy red.; GORBACHEV, T.F., nauchnyy red.; DODIN, A.L., nauchnyy red.; YEROFEEV, B.N., nauchnyy red.; KALUGIN, A.S., nauchnyy red.; NEKRASOV, N.N., nauchnyy red.; POSPELOV, G.L., nauchnyy red.; SKOBNIKOV, M.L., nauchnyy red.; SLEDZYUK, P.Ye., nauchnyy red., red.toma; SMIRNOV-VERIN, S.S., nauchnyy red. [deceased]; SOKOLOV, G.A., nauchnyy red., red.toma; STRUMILIN, S.G., akademik, nauchnyy red.; KHLEBNIKOV, V.B., nauchnyy red.; CHINAKAL, N.A., nauchnyy red.; SHAPIRO, I.S., nauchnyy red.; KUDASHEVA, I.G., red.izd-va; POLENOVA, T.P., tekhn.red.

[Iron ore deposits of the U.S.S.R.] Zhelezorudnye mestorozhdeniya SSSR. Otv.red.I.P.Bardin. Moskva. Vol.1. [Iron ore deposits of the Altai-Sayan mountainous region] Zhelezorudnye mestorozhdeniya Altae-Saianskoi gornoj oblasti. Book 2. [Description of the deposits] Opisanie mestorozhdenii. 1959. 601 p. (MIRA 13:3)

1. Akademiya nauk SSSR. Mezhdunarodnaya postoyannaya komissiya po zheleznu.

(Altai Mountains--Iron ores)

(Sayan Mountains--Iron ores)

*KHLEBNIKOV V. B.*

BARDIN, I.P., akademik, otv.red.; ANTIPOV, M.I., nauchnyy red.; GORBACHEV, T.F., nauchnyy red.; DOBIN, A.L., nauchnyy red.; YEROFSEYEV, B.N., nauchnyy red.; KALUGIN, A.S., nauchnyy red.; NEKRASOV, N.N., nauchnyy red.; POSPELOV, G.L., nauchnyy red.; SKOBNIKOV, M., nauchnyy red.; SMIRNOV-VERIN, S.S., nauchnyy red. [deceased]; STRUMILIN, S.G., akademik, nauchnyy red.; KHLEBNIKOV, V.B., nauchnyy red.; CHINAKAL, N.A., nauchnyy red.; SHAPIRO, I.S., nauchnyy red.; SLEDZHYUK, P.Ye., red. toma; SOKOLOV, G.A., red.roma; KUDASHOVA, I.G., red.izd-va; POLESOVA, T.P., tekhn.red.

[Iron ore deposits in the Altai-Sayan mountainous region] Zhelezo-rudnye mestorozhdeniya Altai-Saianskoi gornoj oblasti. Otvetstvennyi red. I.P. Bardin. Moskva. Vol.1. Book 2. [Description of the deposits] Opisanie mestorozhdenii. 1959. 601 p. (MIRA 13:2)

1. Akademiya nauk SSSR. Mezhdunarodnaya postoyannaya komissiya po zhelezu. (Altai Mountains--Iron ores)(Sayan Mountains--Iron ores)

KHLEBNIKOV, Viktor Borisovich; OSADA, P.A., red.; PONOMAREVA, A.A.,  
tekh.n.red.

[Soviet ferrous metallurgy from 1959 through 1965] Sovetskaya  
chernaya metallurgiya v 1959-1965 gg. Moskva, Gosplanizdat,  
1960. 242 p. (MIRA 14:3)  
(Iron industry) (Steel industry)

KHLEBNIKOV, V.B.

BOLDYREV, G.P.; VOGMAN, D.A.; NOVOKHATSKIY, I.P.; VERK, D.L.; DYUGAYEV, I.V.; KAVUN, V.M.; KURENKO, A.A.; UZBEKOV, M.R.; ARSEN'YEV, S.Ya.; YEGORKIN, A.N.; KORSAKOV, P.F.; KUZ'MIN, V.N.; STRELETS, B.A.; PATKOVSKIY, A.B.; BOLESLAVSKAYA, B.M.; INDENBOM, D.B.; FINKEL'SHTEYN, A.S.; SHAPIRO, I.S.; LAPIN, L.Yu.. Prinimali uchastiye: NEVSKAYA, G.I.; FEDOSEYEV, V.A.; KASPILOVSKIY, Ya.B.. ZERNOVA, K.V.. BARDIN, I.P., akademik, otv.red.; SATPAEV, K.N., akademik, nauchnyy red.; STRUMILIN, akademik, nauchnyy red.; ANTIPOV, M.I., nauchnyy red.; BELYANCHIKOV, K.P., nauchnyy red.; YEROFEYEV, B.N., nauchnyy red.; KALGANOV, M.I., nauchnyy red.; SAMARIN, A.M., nauchnyy red.; SLEDZYUK, P.Ye., nauchnyy red.; KHLEBNIKOV, V.B., nauchnyy red.; STRETS, N.A., nauchnyy red.; BANKVITSEB, A.L., red.isd-va; POLYAKOVA, T.V., tekhn.red.

[Iron ore deposits in central Kazakhstan and ways for their utilization] Zhelezorudnye mestorozhdeniya Tsentral'noy Kazakhstana i puti ikh ispol'zovaniya. Otvetstvennyi red. I.P.Bardin. Moskva, 1960. 556 p. (MIRA 13:4)

1. Akademiya nauk SSSR. Mezhdunarodstvennaya postoyannaya komissiya po zhelezoru. 2. Gosudarstvennyy institut po proyektirovaniyu gornykh predpriyatiy zhelezorudnoy i margantsevoy promyshlennosti i promyshlennosti nemetallicheskiykh iskopayemykh (Giproruda) (for Boldyrev, Vogman, Arsen'yev, Yegorkin, Korsakov, Kuz'min, Strelets, (Continued on next card)

BOLDYREV, G.P.---(continued). Card 2.

3. Institut geologicheskikh nauk AN Kazakhskoy SSR (for Novokhvatkiy).
  4. Tsentral'no-Kazakhstanskoye geologicheskoye upravleniye Ministerstva geologii i okhrany neдр SSSR (for Verk, Dyugayev, Kavun, Kurenko, Uzbekov).
  5. Nauchno-issledovatel'skiy institut mekhanicheskoy obrabotki poleznykh iskopayemykh (Mikhanobr) (for Patkovskiy).
  6. Gosudarstvennyy institut proyektirovaniya metallurg.zavodov (Gipromet) (for Boleslavskaya, Indenbom, Finkel'shteyn, Nevskaya, Fedoseyev, Karpilovskiy).
  7. Mezhdunarodnaya postoyannaya komissiya po zhelezu AN SSSR (for Shapiro, Zernova, Kalganov).
  8. Gosplan SSSR (for Lapin).
- (Kazakhstan--Iron ores)

KHLEBNIKOV, V.B.

Mechanization and automation in enterprises of ferrous metallurgy. Mekh.i avtom.proizv. 15 no.10:4-9 0 '61.

(MIRA 14:10)

1. Zamestitel' predsedatelya Gosplana SSSR.  
(Automation) (Iron industry)

KOROBV, P.I.; KHEBNIKOV, V.B.; BORISOV, A.F.; SKOCHINSKIY, A.A.; SHEVYAKOV, L.D.; MELNIKOV, N.V.; MELESIKIN, S.M.; MOSKAL'KOV, Ye.F.; POKROVSKIY, M.A.; KAPLUNOV, R.P.; BOGOLYUBOV, D.P.; ARUTYUNOV, N.B.; BOYKO, V.Ye.; BRIEZA, N.M.; FEDOROV, V.F.; AGOSHKOV, M.I.; BAKONENKOV, A.V.; VORONIN, L.N.; IPATOV, P.M.; MAZAROV, P.P.; SLUTSKAYA, O.M.; CHERNENKO, H.B.; RABINOVICH, V.I.; SEMEVSKIY, V.N.; TROITSKIY, A.V.; GOL'DIN, Ya.A.; DZHAPARIDZE, Yo.A.; ZHURAVLEV, S.P.; KUZNETSOV, K.K.; KALEVICH, N.A.; MARINENKO, M.P.; MARTYNOV, G.P.; NATAPON, P.F.; PENTSEV, M.A.; ROSSMIT, A.F.; RYASHOV, A.A.; SOSEDOV, O.O.; VILCHADOV, V.S.; ZUBAREN, S.N.; SHAFARENKO, I.P.

Nikolai Nikolaevich Patrikeev; an obituary. Gor.zhur. no.6:76 Je  
'60. (MIRA 14:2)

(Patrikeev, Nikolai Nikolaevich, 1890-1960)



KELEBNIKOV, V.

On the further strengthening of the collective-farm economy.

Voprosy. no. 7:49-57 J1 '62.

(MIRA 15:7)

(Collective farms--Costs)

GERASIMOV, V.G.; KHLEBNIKOV, V.G.; SHKARLET, Yu.M.

Device for contactless measurement of the diameter of a copper wire. Izv. AN Kir. SSR. Ser. est. 1 tekhn. nauk 4 no.8:41-50 '62. (MIRA 16:6)

(Electric wire—Measurement)

LAZUKOV, G.I.; KHLEBNIKOV, V.K.

Horizon of Taz moraines in the Ob' Valley. Geol. i geofiz. no. 4:  
74-87 '61. (MIRA 14:5)

1. Moskovskiy gosudarstvennyy universitet i Zapadno-Sibirskaya  
ekspeditsiya Vsesoyuznogo nauchno-issledovatel'skogo geologicheskogo  
instituta, Leningrad.

(Ob' Valley—Moraines)

Khlebnikov, V. N.

AID P - 1475

Subject : USSR/Electricity

Card 1/1 Pub. 27 - 26/36

Author : Khlebnikov, V. N., Kand. of Tech. Sci.

Title : Single-phase electrification of a Belgian Congo railway sector

Periodical : Elektrichestvo, 2, 73, 75, F 1955

Abstract : The author summarizes a series of articles in British and German publications concerning the electrification at 50 cycles of a sector of the Bas Congo-Katanga Railway. One drawing, 5 references (1952-1954)

Institution: None

Submitted : No date

TEREKHOV, A.A.; kand. tekhn. nauk; ~~KHLEBNIKOV, V.M.~~, kand. tekhn. nauk;  
CHERNOUSOV, L.A., inzh.

Electrification of French railroad sections using single-  
phase commercial current. Zhel. dor. transp. 37 no.8:76-81 Ag  
'55. (MIRA 12:8)

1. Institut kompleksnykh transportnykh problem AN SSSR.  
(France--Railroads--Electrification)

~~KHLEBNIKOV, V.N.~~, kandidat tekhnicheskikh nauk; CHERNOUSOV, L.A., inzhener.

Motorcar rolling stock using a.c. industrial current, Zhel.dor.  
transp. 39 no.4:77-82 Ap '57. (MLRA 10:5)  
(Railroad motorcars)

PETROV, S.A.; KHLIMNIKOV, V.N.

Momograph method of calculating the speed of a mercury rectifier  
type electric locomotive and the phase of the principal harmonic  
of its primary current. Vop.elek.shel.dor, no.1:169-193 '59.  
(MIRA 12:8)

(Electric locomotives)

KHLEBNIKOV, V.N.

Estimate of the directing forces during the motion of multi-  
bogie coupled locomotives on curving portions of the railway.  
Vop.elek.shel.dor. no.1:202-219 '59. (MIRA 12:8)  
(Electric railroads--Rails)



KHLEBNIKOV, Vladimir Nikolayevich, kand.tekhn.nauk; ISLANKINA, T.F.,  
red.; SAVCHENKO, Ye.V., tekhn.red.

[Electric locomotives] Elektrovozy. Moskva, Izd-vo "Znanie,"  
1960. 39 p. (Vsesoiuznoe obshchestvo po rasprostraneniю poli-  
ticheskikh i nauchnykh znaniy. Ser.4, no.33).

(KIRA 14:1)

(Electric locomotives)

KHLEBNIKOV, V.N.

Effect of voltage changes in the contact network on the operation  
of d.c. electric locomotives. Elek. zhél dor. no. 2:154-155 '60.

(MIRA 14:2)

(Electric locomotives) (Electric railroads--Current supply)

KLEBNIKOV, V.N.; ELLANSKIY, E.A.

Problem of determining the work indices of electric locomotives  
with mercury rectifiers by means of engineering and efficiency  
calculations. Elek. zhel dor. no. 2:214-232 '60. (ITEM 14:2)  
(Electric locomotives)

NIKOLAYEV, Ivan Ivanovich; SLITIKOV, P.A., prof., retsenzent;  
LISOVENKO, S.I., dots., retsenzent; KHLESNIKOV, V.N., kand.  
tekhn. nauk, red.; USENKO, L.A., tekhn. red.

[Locomotive dynamics]Dinamika lokomotivov. Moskva, Trans-  
zheldorizdat, 1962. 318 p. (MIRA 16:1)

1. Chlen-korrespondent Akademii nauk SSSR (for Nikolayev).  
(Locomotives--Dynamics)

KHLEBNIKOV, V. N.

Single-phase a. c. locomotives. Bui. tekhn.-ekon. inform. Gos.  
nauch.-issl. inst. nauch. i tekhn. inform. no.12:81-85 '62.  
(MIRA 16:1)

(France—Electric locomotives)

AVATKOV, Aleksandr Stepanovich; KHLEBNIKOV, V.N., kand. tekhn.  
nauk, retsenzent; ZUBLEVSKIY, S.M., inzh., red.;  
MEDVEDEVA, M.A., tekhn. red.

[A.C. locomotives and motor coaches] Elektrovozy i motor-  
nye vagony peremennogo toka. Moskva, Transzheldorizdat,  
1963. 237 p. (MIRA 17:1)

KHLEENIKOV, V.N.; TUSHKANOV, B.A., inzh., retsenzent; YAKOVLEV,  
D.V., inzh., red.

[Electric locomotive designs; mechanical section] Kon-  
struktsii elektrovozov; mekhanicheskaya chast'. Mo-  
skva, Mashinostroenie, 1964. 302 p. (MIRA 17:12)

MINOV, Dmitriy Konstantinovich, prof. doktor tekhn. nauk;  
FAMINSKIY, G.V., kand. tekhn. nauk, retsenzent;  
KHLEBNIKOV, V.N., kand. tekhn. nauk, red.

[Increasing the tractional characteristics of electric locomotives and diesel locomotives with electrical transmission systems] Povyshenie tiagovykh svoystv elektravozov i teplovozov s elektricheskoi peredachei. Moskva, Transport, 1965. 266 p. (MIRA 18:8)



ZABRODIN, Boris Valer'yevich, inzh; KHLEBNIKOV, V.N., red.

[Electric rolling stock on French railroads] Elektropod-  
vizhnoi sostav frantsuzskikh zheleznnykh dorog. Moskva,  
Transport, 1965. 273 p . (MIRA 18:2)

*Khlebnikov, V.P.*

137-1957-12-23637

Translation from: Referativnyy zhurnal, Metallurgiya, 1957, Nr 12, p 113 (USSR)

AUTHORS: Protasov, N. F., Khlebnikov, V. P.

TITLE: Results of Experimental Rolling of Nr 36 and 55 Beams of the Light-weight Type (Opyt osvoyeniya prokatki balok Nr 36 i 55 oblegchennogo tipa)

PERIODICAL: V sb.: Ratsionalizatsiya profiley prokata. Moscow, Profizdat, 1956, pp 156-159

ABSTRACT: The experience from employing a universal stand for rolling (R) a Nr 40-K beam (B) was taken into consideration when the rolling of a thin-walled B Nr 36 was planned. The universal stand could not be employed because the non-uniform local reduction of the flanges produced by it impaired the quality of the structural profile. The test results with the first calibration for a light-weight Nr 36 B were not satisfactory because the small incline of the inner flange surface caused the open flange calibers to wear out rapidly, and after the rolling of about 20 t the required profile could no longer be obtained. Increasing the incline of the inner surface from 2 to 10 percent, as well as changing the profile dimensions somewhat, produced satisfactory results, and

Card 1/2

137-1957-12-23637

Results of Experimental Rolling of Nr 36 and 55 Beams (cont.)

the durability of the rolls returned to normal. It is assumed, on the strength of the experimental rolling of the Nr 30 B with the employment of slanted grooves, that a light-weight Nr 36 B may be rolled through inclined grooves. Experimental rolling of a light-weight Nr 55 B had proved that it can be rolled in large quantities. During the rolling of a light-weight B the consumption of energy increased by 25-30 percent, along with increased consumption of metal. The amount of the light-weight B's which were rolled is not sufficient to justify a final conclusion regarding the practicability of mass-producing light-weight profiles. For the preceding report see RZhMet. 1956, Nr 10, 10148.

P. G.

1. Beams-Rolling-Test methods
2. Beams-Rolling-Test results

Card 2/2

PROTASOV, H.P., glavnyy prekatchik; Khlebnikov, V.P., starshiy kalibrovshchik.

Mastering the production of lightweight I-beams. Metallurg no.4:18-21  
Ap '56. (MLRA 9:9)

1. Zavod "Asevstal'" (for Khlebnikov).  
(Girders) (Rolling (Metalwork))

*KHLEBNIKOV, V. P.*

137-58-1-652

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 1, p 101 (USSR)

AUTHOR: Khlebnikov, V. P.

TITLE: Efficient Methods of Grooving Complex Shaped Sections (Rational'nyye metody kalibrovki slozhnykh fasonnykh profiley)

PERIODICAL: Tr. Nauchno-tekhn. o-va chernoy metallurgii, 1956, Vol 10, pp381-386

ABSTRACT: Experimental rolling of lightened beams has shown that the method of grooving developed at the Azovstal' Works makes it possible to roll beams with a 10 percent slope of their inside edges and considerable flange width (160 mm in the case of a Nr 36 beam), without the use of a universal finishing stand. Further streamlining of the grooving of passes for beams at this plant includes the introduction of canted rolling R: experimental R of Nr 30 beams in canted-grooved passes has given good results. The experience acquired will be employed in mastering R in canted-grooved passes for light-weight beams. The manufacture of channels by means of the evolute (beam) type of grooving, as well as the manufacture of grooved sections ShK-1 and ShI I-1, the grooving of which had been comp-

Card 1/2

137-58-1-652

**Efficient Methods of Grooving Complex Shaped Sections**

licated by the need to produce long and thin flanges in the reducing stand with further R in the tongue-and-groove passes of the finishing line, has been mastered. See RzhMet, 1957, Nr 12, 22805.

V.D.

**Rolling mills--Shaping methods**

Card 2/2

*Khlebnikov, V.P.*

133-12-11/26

AUTHORS: Khlebnikov, V.P., Fradin, M.D., and Chekhovskiy, P.A.

TITLE: On the Problem of Rational Design of Roll Passes for Rails  
(K voprosu o ratsional'noy kalibrovke rel'sov)

PERIODICAL: Stal', 1957, No.12, pp. 1103 - 1107 (USSR).

ABSTRACT: This is a contribution to the discussion of the paper by P.A. Aleksandrov and I.S. Trishevskiy (Stal', 1955, No.12). The present authors consider that a rigid approach to the use of high semis for rolling rails as well as of a high and sharp crown in the first trapezoidal pass is not beneficial for the quality of rails produced. Improvements in the quality of rails obtained on changes in the design of roll passes on a mill 900 for rails P-50 used in 1954, 1955 and 1956 (Figs. 2, 3 and 4, respectively) in which the shape of roll passes has been modified and the number of trapezoidal passes steadily decreased to two, indicate the possibility of adoption of not more than 3 trapezoidal passes for an optimum calibration. There are 2 tables, 4 figures and 4 references, 3 of which are Slavic.

ASSOCIATION: Azovstal' Works (Zavod "Azovstal'")

AVAILABLE: Library of Congress  
Card 1/1

FRADIN, M.D., inzh.; CHEKHOVSKIY, P.A., inzh.; KHLEBNIKOV, V.P., inzh.

Review of B.M. Shum's book "Rail and heavy-section mills," Stal'  
17 no.12:1112-1113 D '57. (MIRA 11:1)

1. Zavod "Aзовstal'."

(Rolling mills)  
(Shum, B.M.)



SOV/130-58-10-9/18

**AUTHORS:** Protasov, N.F., Khlebnikov, V.P., Sikorskiy, A.I.,  
Gonchar, V.V., Stefanov, V.Ye and Boldyrev, L.I.

**TITLE:** Improving Accessories on the Reducing Mill of a Heavy-  
Section Mill (Usovershenstvovaniye armatury obzhimnogo  
stana krupnosortnogo tsekha).

**PERIODICAL:** Metallurg, 1958, <sup>3</sup>Nr.10, pp.25-29 (USSR)

**ABSTRACT:** It was found that when rolling low-number girders, especially Nr.20 in the reducing stand of a rail-structural mill the metal often displaced the guides, leading to stoppages. The authors give details of guide construction and attachment (Fig.1) and also of special devices provided before each pass (Fig.2) to support the beam from below. This is advantageous for rolling large girders (Nr.30-55) but unreliable for smaller (Nr.18-16) sizes. For rolling these latter when the closed passes are in the bottom roll two variants of guide arrangements have been proposed. In the first special movable vertical supports are provided for the guides, fixed on trapezoidal projections. In the

Card 1/2

SOV/130-58-10-9/18  
Improving Accessories on the Reducing Mill of a Heavy-Section Mill.

second a trapezoidal-section bar is fixed to the housing (similar to the guide bars on the finishing line) (Fig.4) which supports one end of the specially shaped guide, the other being held in the pass with the aid of a load. The authors favour the second variant and mention its applicabilities. Its adoption has enabled the load on the finishing line to be reduced by 20-25%. The new roll-pass designs used since March 1957 have led to better roll life, higher productivity and other improvements. The new accessories are especially useful for thin-walled sections, and during the year for which they have been in use no cases of guide displacement have occurred. There are 4 figures.

ASSOCIATION: Zavod "Azovstal'" ("Azovstal'" works).

Card 2/2

SOV/130-58-12-12/21

**AUTHORS:** Protasov, N.F., ~~Khlebnikov, V.P.~~, Sikorskiy, A.I.,  
Gonchar, V.V., ~~Boldyrev, L.I.~~ and Stefanov, V.Ye.

**TITLE:** Experience of the Adoption of Profiles for Mine Supports  
(Opyt osvoyeniya profiley dlya ~~shakhtnogo~~ krepneniya)

**PERIODICAL:** Metallurg, 1958,<sup>3</sup>Nr 12, pp 27 - 29 (USSR)

**ABSTRACT:** The "Azovstal'" works is one of the main suppliers of the more important sections for mine construction and operation. The authors illustrate (Fig 1) sections for props types 18A-18B and 28A-28B and show how the first two fit each other (Fig 2). These sections are rolled from 230 x 285 and 245 x 280 mm blooms in four stands arranged in two lines and the authors outline the pass design and deformations at the various stages. They deal with the production of inclined props to GOST-5157-53. The authors

Card 1/2

SOV/130-58-12-12/21

Experience of the Adoption of Profiles for Mine Supports

state that the pass designs for pit props developed at the works have improved quality as well as increasing production.

There are 4 figures

ASSOCIATION: "Azovstal'" works

Card 2/2

IKHLEBNIKOV, V.P.

PHASE I BOOK EXPLANATION SW/3226

Mezhdunarodnaya nauchno-tekhnicheskaya konferentsiya po temu: "Sovremennyye dostizheniya proizvodnogo progressa." Study... (Transactions of the Intercollegiate Scientific and Technical Conference on Recent Achievements in the Rolling Industry) Leningrad, 1958. 251 p. 1,000 copies printed. Sponsoring Agencies: Leningradskiy politekhnicheskii institut im. M.I. Kalinina, Nauchno-tekhnicheskoye obshchestvo mashinostroyeniya, Leningradskoye oddeleniye, and Nauchno-tekhnicheskoye obshchestvo metallurgov, Leningradskoye oddeleniye. Resp. Ed.: V.S. Solovov, Doctor of Technical Sciences, Professor; Ed.: M.M. Pavlov.

PURPOSE: These proceedings of the conference are intended for specialists in the rolling industry.

COVERAGE: The articles of this collection cover various theoretical and practical problems of rolling, such as: pressure, speed, efficiency of rolls, determination of deformation, forces required, heat treatment, optimum conditions for rolling, experience of various plants, modernization of equipment, aluminum-clad steel, and rolling of composite materials. Personalities are mentioned. References appear after each article.

Lavrutskiy, G.S., and V.D. Durnev. (Leningrad) Some Problems of Production and Equipment in Longitudinal Periodic Hot Rolling 103  
Golynchev, M.A. [Sibirskiy metallurgicheskii institut (Siberian Metallurgical Institute), Stalinsk] Optimum Conditions of Deformation in Rolling 109

Grechko, V.P. [Institut Chernoy Metallurgii AN USSR (Institute of Ferrous Metallurgy), AS Ur 158]] Quality of Rolling With Great Drafts 122

Matveeva, S.Y. [Zavod "Krasnyy Oktyabr" (Plant "Krasnyy Oktyabr"), Stalingrad] New Type of Rolled Stock for the Tractor Industry 126  
Borishnikov, M.I. [Mashinostroyeniye gosmetallurgicheskii institut im. G.I. Kozlov (Machinostroyeniye gosmetallurgicheskii institut im. G.I. Kozlov)] New Technique in the Metallurgical Method of Producing Copper-Clad Steel Wire Rod 131

Doroshchikov, M.M. [Zhdanovskiy metallurgicheskii institut (Zhdanov Metallurgical Institute)] Intensifying Regimes of Drafts in Rolling According to Friction Conditions 136

Dobrotvorov, V.P. [Zavod "Azovstal'" (Plant "Azovstal'"), Zhdanov] Mastering Rolling of Rails at the "Azovstal'" Plant 141

Ilyukovich, B.M. [Chusovskoy metallurgicheskii zavod (Chusovskoy Metallurgical Plant)] Rolling and Mill Pass Design of Light T-shapes for Framework of Industrial Buildings 145

Karam, A.M., A.M. Mokhinov, and M.D. Kozin. [Kirovskiy zavod (Kirov Plant), Leningrad] Rolling Spring Leaf and Spring Steel at Kirov Plant 151

Yatsura, V.L. [Zakavkazskiy metallurgicheskii zavod im. I.V. Stalina (Transcaucasian Metallurgical Plant im. I.V. Stalin)] Application of Repeaters in Rolling Steel Angles 155

Korshunov, Ye.A. [Ural'skiy politekhnicheskii institut (Ural Polytechnical Institute)] Effect of a Manipulator on Blooming Productivity 158

Gretsov, M.M. [Zavod "Azovstal'" (Plant "Azovstal'"), Zhdanov] Rolling Double-length Blooms in the 050 Blooming Mill at the Large Section Rolling Shop of the "Azovstal'" Plant 162

Kalenok, P.T. [Leningradskiy zavod po obrabotke tsvetnykh metallov (Leningradskiy zavod po obrabotke tsvetnykh metallov)] Modernizing the Equipment of Hot-rolling Shops 165

Chernyak, S.M. [Leningradskiy zavod po obrabotke tsvetnykh metallov (Leningradskiy zavod po obrabotke tsvetnykh metallov)] Improving Production of Aluminum-clad Iron 176

Gurevich, D.Ye. [Leningradskiy listoprokatnyy zavod (Leningrad Sheet-Rolling Mill)] Combined Method of Producing Roofing Sheets 182

SPITSYN, Vikt.I., akademik; D'YACHKOVA, R.A.; KHLEBNIKOV, V.P.

State of protactinium in nitric acid solutions. Dokl. AN  
SSSR 157 no.1:135-138 J1 '64 (MIRA 17:8)

1. Institut fizicheskoy khimii AN SSSR.

L 60399-65 FWT(+)/FWP(+)'FWP(k) TIP(a) ID/10

ACCESSION NR APS016997

UR 6186/65/007/000/00015

AUTHOR: Andreeva, R. A., Khlebnikov, V. P.

TITLE: Tributyl phosphate extraction of protactinium. Part 1. Nonextractable forms of protactinium.

SOURCE: Radiokhimiya, v. 7, no. 3, 1965, 257-261

TOPIC TAGS: protactinium, tributyl phosphate, polymeric protactinium, radiolactone extraction

ABSTRACT: The article reports on the kinetics of extraction of protactinium from nitric acid solutions by tributyl phosphate. The results of a determination of Pa present in a nonextractable form in  $\text{HNO}_3$  solutions. In addition, in order to determine the conditions under which polymeric forms of Pa exist, the distribution ratio was studied as a function of the Pa concentration. It was found that when fresh Pa solutions were used, the equilibrium was established in a few minutes, and the distribution ratios for the extraction and reextraction were the same. In the case of aged solutions, the extraction equilibrium was not reached after 100 hr of stirring because of the presence of nonextractable forms of Pa; up to 45% Pa can be present in such form, even

Card 1/2





L 60100-65 ENT(m)/ENT(t)/ENT(b) TBP(c) JD/JG

ACCESSION NR: AP6018098

UR/0186/65/607/03/0532/0265  
542.61: 546.798: 54-145.4

14  
B

AUTHOR: D'yachkova, R. A.; Spitsyn, V. I.; Khabnikov, V. P.

TITLE: Tributyl phosphate extraction of protactinium. Part. 2. Determination of the solvation number of the extracted protactinium complex

SOURCE: Radiokhimiya, v. 7, no. 3, 1965, 262-265

TOPIC TAGS: protactinium, tributyl phosphate, polymeric protactinium, radioisotope extraction, solvation

ABSTRACT: The distribution ratio of protactinium was studied as a function of the tributyl phosphate (TBP) concentration in extraction from nitric and perchloric acids. The ionic strength of the aqueous phase was kept constant. The initial and equilibrium concentrations of  $\text{HNO}_3$  and TBP were calculated by taking into account their interaction, which causes the formation of the complexes  $\text{HNO}_3 \cdot \text{TBP}$  and  $(\text{HNO}_3)_2 \cdot \text{TBP}$  in the organic phase. The slope of the straight line representing the log of the distribution ratio versus the log of the concentration of free TBP for extraction from 1 to 5 M  $\text{HNO}_3$  was found to be 3.13. It is concluded that in the concentration range under consideration, protactinium is

Card 1/2

D. 60,000-65			
<p>extracted with the formation of a disolvate in the organic phase. In the case of extraction from perchloric acid, a whole series of complexes of the type <math>mHClO_4 \cdot nTBP</math> are formed whose equilibrium constants (except that of <math>HClO_4 \cdot 4TBP</math>) are not known. The interaction of <math>HClO_4</math> and TBP could not be accurately determined. The number of TBP molecules attached to protactinium in extraction from 1-5 M <math>HClO_4</math> is close to 3. Orig. art. has: 2 figures and 2 tables.</p>			
ASSOCIATION: None			
SUBMITTED: 03Apr64		ENCL: 00	SUB CODE: IC
NO REF SOV: 006		OTHER: 003	
<p><i>dm</i> Card 2/2</p>			

L 39086-66 EWT(m)/EWP(1)/EWP(+)/ETI IJP(c) RM/JD/JG  
ACC NR: AP6022871 SOURCE CODE: UR/0186/66/008/002/0125/0131

AUTHOR: Khlebnikov, V. P.; D'yachkova, R. A.; Spitsyn, V. I.

ORG: none

TITLE: Extraction of protactinium with tributyl phosphate. Part 3: Determination of the composition and stability constants of nitrate complexes of protactinium.

SOURCE: Radiokhimiya, v. 8, no. 2, 1966, 125-131

TOPIC TAGS: protactinium, nitrate, ~~extraction~~, distribution coefficient, stability constant, *solvent extraction*

ABSTRACT: In order to determine the composition and stability constants of nitrate complexes of protactinium, the dependence of the distribution coefficient was studied as a function of hydrogen ion and nitrate ion concentration during extraction of protactinium with tributyl phosphate. At a constant ionic strength of the aqueous phase  $\mu = 5$  and 6 in the range of high acid concentrations (3-6 M), the distribution coefficient was shown to be proportional to the square of the hydrogen ion concentration. At the constant value  $\mu = 5$ , the distribution coefficient increases with the  $\text{NO}_3^-$  concentration. A mechanism is proposed for the reaction of extraction of protactinium with tributyl phosphate. The stability constants of the nitrate complexes  $\text{Pa}(\text{OH})_2(\text{NO}_3)_2^{2+}$ ,  $\text{Pa}(\text{OH})_2(\text{NO}_3)_2^+$ ,  $\text{Pa}(\text{OH})_2(\text{NO}_3)_3^0$ , and  $\text{Pa}(\text{OH})_2(\text{NO}_3)_4^-$  were calculated to

Card 1/2

UDC: 542.61:546.796:54-145.4

L 39086-66

ACC NR: AP6022871

be respectively  $\beta_1 = 17$ ,  $\beta_2 = 1.3 \times 10^2$ ,  $\beta_3 = 5.4 \times 10^2$ , and  $\beta_4 = 1.4 \times 10^3$ . The equilibrium constant for the reaction of extraction of protactinium with tributyl phosphate was found to be  $K = 5.4 \times 10^3$ . Orig. art. has: 4 figures, 3 tables, and 12 formulas.

SUB CODE: 07/ SUEM DATE: 05Nov65/ ORIG REF: 012/ OTH REF: 009

Card 2/2 *MLP*

KHLEBNIKOV, V. V.

KHLEBNIKOV, V. V. "The problem of the arterial blood supply to the skin of the front and side walls of the chest and stomach", Trudy Seret. gos. med. in-ta, Vol. VI, 1947, p.13-22.

So: U-4631, 16 Sept. 53, (Izopis 'Zhurnal' nykt Statoy, No. "4", 1949).

KHLEBNIKOV, V.V., dotsent.

Direction of the central x-ray in profile photography of the Turkish saddle. Vest. rent, 1 rad, no. 5:80-82 S-0 '53. (MLRA 7:1)

1. Iz kafedry normal'noy anatomii (zaveduyushchiy - professor V.I. Bik) Saratovskogo meditsinskogo instituta (direktor - professor I.M. Popov'-yan).

(Radiography) (Skull)

*Khlebnikov, V. V.*

USSR/Human and Animal Morphology. Circulatory System.

S-2

Abs Jour: Referat Zh.-Biol., No 1, 10 January 1958, 2850.

Author : Khlebnikov, V. V.

Inst :

Title : Variations in the Esophageal Arteries of Fetuses during the Last Months of Intrauterine Life.

Orig Pub: Tr. kafedry norm. anatomii, Saratovsk. med. in-t, 1955, vyp. 1, 196-207.

Abstract: It was established by studying 50 esophagus preparations removed from fetuses during the last months of intrauterine life, by means of anatomical methods and roentgenography, that there were the following permanent sources of blood supply to the esophagus: the inferior thyroid artery to the cervical portion; 2-6 branches of the abdominal aorta and, more frequently, 3 bronchial arteries to the thoracic portion; and the left gastric

Card : 1/2

-8-

USSR/Human and Animal Morphology. Circulatory System.

S-2

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000722110001-7"

Abs Jour: Referat Zh.-Biol., No 1, 10 January 1958, 2850.

artery to the abdominal portion of the esophagus. In addition the cervical portion of the esophagus was inconstantly supplied by the thyrocervical and costocervical trunks, ascending cervical, subclavian, vertebral, left common carotid arteries, and the arch of aorta; the thoracic portion by the intercostal and subclavian arteries; and the abdominal portion by the lower artery to the diaphragm. Those arteries supplying the cervical portion commonly divide, in the wall of the esophagus, into ascending and descending branches whose arborizations anastomose forming a course, looped network. In the thoracic portion of the esophagus, numerous longitudinally directed arteries of the third order formed a finer looped network.

Card : 2/2

-9-

KHLEBNIKOV, Yu.

Work organization and the quality of ship repair. Rech. transp.  
24 no.3:31 '65. (MIRA 18:5)

1. Direktor Kvybyshevskogo sudoremontnogo zavoda.



KHLEBNIKOV, Yu.P.; KIKHTENKO, V.A.

New cyclone-type air filter with automatic dust removal. Trakt. 1  
sel'khoz mash. 31 no.12:3-4 D '61. (MIRA 15:1)

1. Gosudarstvennoye spetsial'noye byuro po dvigatelyam.  
(Air filters)

KIKHTENKO, V.A.; KHLEBNIKOV, Yu.P.; YEGOROV, I.M., kand. tekhn. nauk, retsenzent; DVOROVENKO, G.P., kand. tekhn. nauk, red.; YEGORKINA, L.I., red. izd-va; EL'KIND, V.D., tekhn. red.

[Cyclone air cleaners for tractors] Traktornye tsiklonnye vozdukhochistiteli; konstruktsiia, raschet, obsluzhivanie i ispytanie. Moskva, Mashgiz, 1963. 150 p.

(MIRA 16:7)

(Tractors--Equipment and supplies) (Air filters)

SOV/25-59-1-7/51

AUTHOR: Lebedyan'skiy, L.S., Chief Designer of the Plant, Nayman, A.M. and Khlebnikov, Yu.V., Engineers of the Plant

TITLE: Gas Turbines in Locomotives (Gazovaya turbina na lokomotive)

PERIODICAL: Nauka i zhizn', 1959, Nr 1, pp 12-13 (USSR)

ABSTRACT: The Kolomna Locomotive Building Plant imeni V.V. Kuybyshev is developing the first Soviet gas turbine locomotive with a capacity of 3,000 hp in one unit in which a single-shaft gas turbine will operate with electric transmission. The author gives a short description of this locomotive. There are 2 photographs.

ASSOCIATION: Kolomenskiy teplovozostroitel'nyy zavod imeni V.V. Kuybysheva (Kolomna Locomotive Building Plant imeni V.V. Kuybyshev)

Card 1/1

MACHNEV, B.N., inzh. (Kolonna); NAYMAN, A.M., inzh. (Kolonna); NESTEROV, E.I.,  
inzh. (Kolonna); SHAKHRAI, D.I., inzh. (Kolonna); KHLEBNIKOV, Yu.V.,  
inzh. (Kolonna)

Prospects of the use of gas-turbine locomotives. Zhel.-dor.transp. 45  
no.12:48-52 D '63. (MIRA 17:2)

KHLERBILKAVA		PROCESSING AND PROPERTIES INDEX	
C 4	<p>New preparations of leaven. I. Theoretical basis. V. Bogdanov. <i>Molochesye Prom.</i> 10, No. 1, 15-17 (1949).--The current (U.S.S.R.) procedure calls for chilling to 4-6° upon the formation of curd, i.e. in 10-12 hrs. Therefore the development of aroma-excreting bacteria, which require 16-48 hrs. incubation, is halted. By cooling the curd-comg. mixt. to 16-18° these bacteria are permitted to develop for 6 addnl. hrs., after which the chilling is performed; the products are characterized by better aroma and taste. II. Application of the new method. A. Khebeishova. <i>Ibid.</i> 17-18.--The application of the new method to butter production in plant-scale trial is described to be satisfactory, yielding a product with the above normal qualities. G. M. Kosolapoff</p>		12
<p>ASH-ILA METALLURGICAL LITERATURE CLASSIFICATION</p>		<p>STON. NUMBER</p>	
<p>STON. NUMBER</p>		<p>STON. NUMBER</p>	

PAVLOV, Konstantin Mikhaylovich; ZUBIYETOV, P.P., otv. red.;  
KHLEENIKOVA, G.N., red.; TRISHINA, L.A., tekhn. red.

[Analysis and calculation of the network of an IF amplifier]  
Analiz i raschet skhemy usilitelia promezhutochnoi chastoty;  
rekomendovano predmetnoi komissiei VZTS po spetsial'nyy ra-  
diotekhnicheskim distsiplinam v kachestve uchebnogo posobiya  
dlya uchashchikhsya tekhnikumov svyazi. Moskva, Svyaz'izdat,  
1963. 22 p. (MIRA 16:10)

(Amplifiers, Electron-tube)  
(Radio--Receivers and reception)

FD-2258

USSR/Biology - Biochemistry  
KHEBNIKOVA, I. M.  
Card 1/1 Pub 17-9/20

Author : Khlebnikova, I. M.

Title : Activity of blood fibrinogenase in insulin shock, electroshock, and epileptic seizure.

Periodical : Byul. eksp. biol. i med. 3, 33-36, Mar 1955

Abstract : Determined the activity of blood fibrinogenase in the mentally ill prior to and after the action on their central nervous system of such therapeutic measures as insulin shock and electroshock, and also spontaneously occurring epileptic seizures. Table. Thirteen references, 7 USSR, all of these since 1940.

Institution: Chair of Biochemistry (Head-Prof. V. S. Il'in) of the Institute for the Improvement of Doctors imeni S. M. Kirov (Director-Prof. N. N. Mishchuk), Leningrad

Submitted : April 7, 1954 by N. V. Konovalov, Member of the Academy of Medical Sciences USSR

KHLEBNIKOVA, I M.

Effect of polyvinol on the rate of incorporation of methicmine- $S^{35}$   
into liver and plasma proteins in exsanguinated rabbits. Vop.med.  
khim. LC no.3:256-261 My-Je '64. (MIRA 18:2)

1. Laboratoriya polimerov Leningradskogo nauchno-issledovatel'-  
skogo instituta perelivaniya krovi.



KHLEBNIKOVA, I.M.; SENCHILO, Ye.A., kand.med.nauk

Effect of polyvinol on the liver function in surgical patients.  
Vest. khir. 93 no.9:40-46 S '64. (MIRA 18:4)

1. Iz laboratorii polimerov (zav. - kand. biolog. nauk Ye.A. Chaplygina) i khirurgicheskoy kliniki (nauchnyy rukovoditel' - prof. A.N.Filatov) Leningradskogo nauchno-issledovatel'skogo instituta perelivaniya krovi.

KHLEBNIKOVA, I.M.

Study of the effect of plasma-substituting solution of polyvinyl  
on the renal function in dogs. Pat. fiziol. i eksp. terap. 9 no.2:  
70-71 Mr-Apr '65. (MIRA 18:5)

1. Laboratoriya polimerov (rukovoditel' - doktor biologicheskikh  
nauk Z.A.Chaplygina) Leningradskogo instituta perelivaniya krovi  
(dir. - dotsent A.D.Belyakov).

**KLYUCHAROV, Ya.V.; KHEZNIKOVA, I.Ya.**

Phase chemical analysis of the system  $\text{MgO} - \text{Cr}_2\text{O}_3 - \text{SiO}_2$ .

Zhur. prikl. khim. 38 no.5:1139-1143 1965.

(MIRA 18:11)

L 12828-63

EW(1)/EW(2)/BDS/ES(B)-2

AFPTC/ASD/ESD-3/SSD Pz-4/Pt-4

AT

ACCESSION NR: AT3003024

S/2927/62/000/000/0300/Q310

68

AUTHOR: Cheglov, Ye. I.; Khlebnikova, L. V.

TITLE: Rectification with a dielectric-layer contact [Report at the All-Union Conference on Semiconductor Devices, Tashkent, 2-7 October, 1961]

SOURCE: Elektronno-dyrovichnyye perakhody v poluprovodnikakh. Tashkent, Izd-vo AN UzSSR, 1962, 300-310

TOPIC TAGS: rectification, dielectric-layer contact

ABSTRACT: A quantitative theory is offered of rectification at the contact of two dissimilar metals with a dielectric layer between them. Fundamental differential equations and the self-consistent potential in the dielectric are considered. The current-voltage characteristic and the rectification factor formula are developed. Some peculiarities of a metal-dielectric-semiconductor contact are examined. The following conclusions are arrived at: (1) if the metal contact potential difference considerably exceeds the average thermal energy of electrons in the crystal, and if the dielectric thickness does not exceed the minimum Debye's length, the metal-dielectric-metal contact will have rectifying properties; (2) the maximum rectification factor is determined by the metal contact potential

Card 1/2